



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/640,284	08/16/2000	Yiming Ye	YOR9-2000-0149US1 (8728-3)	2916

7590

02/03/2003

Frank Chau  
F Chau & Associates LLP  
1900 Hempstead Turnpike  
Suite 501  
East Meadow, NY 11554

EXAMINER

AMINI, JAVID, A

ART UNIT

PAPER NUMBER

2672

DATE MAILED: 02/03/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

826

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/640,284	YE, YIMING	
	<b>Examiner</b>	<b>Art Unit</b>	
	Javid A Amini	2672	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☒ Claim(s) 1-26 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
 If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) ☐ All   b) ☐ Some \*   c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
 a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                  | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). ____.  |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)         | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____. | 6) <input type="checkbox"/> Other: _____                                    |

***Claim Rejections - 35 USC § 112***

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

1. Claims 1-26 rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. *and fails to enable the claims.* Independent claims 1, 3 and 15 are claiming a controller for controlling *and the controller for controlling the orientation of a* position of display and a visual recording device; the applicant describes adjusting position of display and a visual recording device in pages 18-20 but does not specify, "How does the controlling section work? Does it control by a person or by a machine?"

**Reference:**

Eiband (5,240,207) teaches in Fig. 2-3, (col. 5, lines 22-49) the control displacement information of the support equipment (32) is transmitted from the ground station (30) to the air vehicle via standard telemetry techniques. A receiver located on the air vehicle (11) is adapted for receiving the flight command signal (35). As the flight command signal (35) is received, it is processed with an actuator control system (24) in order to engage and control the mechanical actuators (22). The processed information is then used to control the mechanical actuators (22), which in turn operate the control equipment (14). The operation of the control equipment (14) is done so as to exactly replicate the control displacements of the support equipment (32) at the ground station (30), and the communication between transmitting and receiving devices. Also Eiband teaches in (col. 4, lines 60-64) that a second video camera (27), which records and transmits

Art Unit: 2672

takeoff and landing video images is also used. This second video camera (27) is also disposed in the cockpit (12) of the air vehicle (11). These second video signals (29) record information present exterior of the cockpit (12). These steps are inherent because in order to transmit/receive a signal a device should contained at least the following parts: a CPU, memory, signal generator, display, graphic controller, and image processing unit. And also zoom of visual recording device controller is inherent because in order to be able to determine the attitude (position) of aircraft by a camera, the zooming function plays an important role in this part, however, Eiband discloses in (col. 7, lines 4-6) that the second video camera (27) also presents aircraft attitude (position of an aircraft determined by the relationship between its axes and a references datum) information during flight. The steps of detecting and decoding are inherent because in order to transmit a signal from one point to another point a decoding device is required (Decoder is a device or program routine that converts coded data back to it original form. This can mean changing unreadable codes into readable text or changing one code to another, it is usually referred to as conversion).

### ***Specification***

2. The disclosure is objected to because of the following informalities: Independent claim 1 is claiming a controller for controlling position of display, the applicant describes adjusting position of display in pages 18-20 but does not specify how the controlling section works. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

Art Unit: 2672

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1, 2, 4, 5, 6, 8, 10, 13, 14, 16-18, 20, 22 and 25-26 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

3. Claims 1, 2, 4, 5, 6, 8, 10, 13, 14, 16-18, 20, 22 and 25-26 recite the limitation "see note below". There is insufficient antecedent basis for this limitation in the claim.

Note:

4. As part of claim 1, "a signal display controller" is not clear whether the applicant means the signal (signal conditioning) of display controller or signal of display controller (position of display).

5. As for claim 2, "wherein a plurality of mirrors are used to transmit signal patterns between a signal transmitting device and a signal receiving device having obstructions between them". The type of mirror is not specified in specification.

6. Claims 4 and 16 the steps are not defined explicitly in specification as follow: how the image is dividing; how the centers are determining; required more formulation for look-up table; how the circles are creating; and the formulations of decoding a pattern.

7. Claims 5 and 17, the steps are not defined explicitly in specification as follow: what is within an allotted time; method of calculating image differences is not specified in specification; and also the method of how is collecting a plurality of blobs.

8. Claims 6 and 18, the step of automatically adjusting is not defined in specification.

9. Claims 8 and 20, the step of groups of pixels value must be defined.

Art Unit: 2672

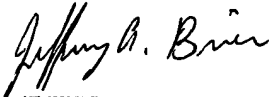
10. Claims 10 and 22, the step of panning for a position that does not overlap the first pan position needs to be shown by mathematical equations and Panning positions should be specified on the screen scans horizontally or vertically, and it is not specified in the claim.
11. Claims 13 –14 and 25-26, the limitation and boundary condition of vertical positions need to be well demonstrated in specification.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Javid A Amini whose telephone number is 703-605-4248. The examiner can normally be reached on 8-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Razavi can be reached on 703-305-4713. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-8705 for regular communications and 703-746-8705 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-306-0377.

  
JEFFERY BRIER  
PRIMARY EXAMINER